

CLAIMS**What is claimed is:**

1. In a system for managing application
installation operations, a method of communicating with an
5 application, comprising:

receiving from the application a call to set a
property related to performing an application installation
operation;

receiving from the application a call to initialize
10 an application installation operation; and

receiving from the application a call to finalize the
application installation operation.

2. The method of claim 1, wherein said application
15 installation operation is at least one of the following:
install, downsize, reinstall, uninstall.

3. The method of claim 1, further comprising, if
the application installation operation is not executed
20 successfully by the application, receiving a call to abort the
application installation operation.

4. The method of claim 1, wherein said application
installation operation is install, said call to initialize the
25 application installation operation is InitializeInstall, and
said call to finalize the application installation operation is

FinalizeInstall.

5 5. The method of claim 1, wherein said application
installation operation is downsize, said call to initialize the
application installation operation is InitializeDownsize, and
said call to finalize the application installation operation is
FinalizeDownsize.

10 6. The method of claim 1, wherein said application
installation operation is reinstall, said call to initialize
the application installation operation is InitializeReInstall,
and said call to finalize the application installation
operation is FinalizeReInstall.

15 7. The method of claim 1, wherein said application
installation operation is uninstall, said call to initialize
the application installation operation is InitializeUnInstall,
and said call to finalize the application installation
operation is FinalizeUnInstall.

20

8. The method of claim 1, further comprising
receiving a call from the application to get a property related
to performing an application installation operation.

25 9. The method of claim 1, wherein said call to set

a property is SetProperty.

10. A computer readable medium having instructions thereon for performing the method of claim 1.

5

11. In a system for managing application installation operations, a method of communicating with an application, comprising:

receiving from the application a call to set a
10 property related to performing an application install operation;

receiving from the application a call to initialize the application install operation; and

receiving from the application a call to finalize the
15 application install operation.

12. The method of claim 11, wherein said call to set a property is SetProperty.

20 13. The method of claim 12, wherein said call to SetProperty includes a parameter identifying APP_PROPERTY_COMPANYNAME as the property that is being set.

14. The method of claim 13, wherein said call to
25 SetProperty further includes a parameter for pointing to a

string identifying a company.

15. The method of claim 12, wherein said call to initialize the application install operation is

5 InitializeInstall.

16. The method of claim 12, wherein said call to finalize the application install operation is FinalizeInstall.

10 17. The method of claim 12, further comprising if the application install is not executed successfully by the application, receiving a call to abort the application install operation.

15 18. A computer readable medium having instructions thereon for performing the steps recited in claim 12.

19. The method of claim 12, further comprising the following:

20 receiving a call to SetProperty having a parameter identifying APP_PROPERTY_SIGNATURE as the property that is being set;

receiving a call to SetProperty having a parameter identifying APP_PROPERTY_CATEGORY as the property that is being

25 set; and

receiving a call to SetProperty having a parameter identifying APP_PROPERTY_ESTIMATEDINSTALLSIZE as the property that is being set.

5 20. The method of claim 12, further comprising receiving from the application a call to retrieve an application property.

10 21. The method of claim 20, wherein said call to retrieve an application property is GetProperty.

15 22. The method of claim 21, wherein said call to GetProperty has a parameter identifying APP_PROPERTY_GUID as the application property being retrieved.

20 23. The method of claim 21, wherein said call to GetProperty has a parameter for pointing to a string containing a GUID value identifying the application that is the object of the install operation.

24. The method of claim 22, further comprising the following:

receiving a call to GetProperty having a parameter identifying APP_PROPERTY_ROOTPATH as the application property
25 that is being retrieved; and

receiving a call to GetProperty having a parameter identifying APP_PROPERTY_SETROOTPATH as the application property that is being retrieved.

5 25. The method of claim 12, further comprising the following:

receiving a call to SetProperty having a parameter identifying APP_PROPERTY_EXECUTECLMDLINE as the application property that is being set; and

10 receiving a call to SetProperty having a parameter identifying APP_PROPERTY_DEFAULTSETUPEXECMDLINE as the application property that is being set.

26. A computer readable medium having instructions
15 thereon for performing the method of claim 12.

27. In a system for managing application installation operations, a method of communicating with an application, comprising:

20 receiving from the application a call to set a property related to performing an application uninstall operation;

receiving from the application a call to initialize the application uninstall operation; and

25 receiving from the application a call to finalize the

application uninstall operation.

28. The method of claim 27, wherein said call to set a property is SetProperty.

5

29. The method of claim 28, wherein said call to SetProperty has a parameter identifying APP_PROPERTY_GUID as the application property that is being set.

10

30. The method of claim 29, wherein said call to SetProperty has a further parameter for pointing to a GUID for identifying the application that is the object of the uninstall operation.

15

31. The method of claim 27, wherein said call to initialize the application uninstall operation is InitializeUnInstall.

20

32. The method of claim 27, wherein said call to finalize the application uninstall operation is FinalizeUnInstall.

25

33. The method of claim 27, further comprising if the application uninstall is not successfully executed by the application, receiving a call to abort the application

uninstall operation.

34. A computer readable medium having instructions thereon for performing the steps recited in claim 27.

5

35. In a system for managing application installation operations, a method of communicating with an application, comprising:

receiving from the application a call to set a
10 property related to performing an application downsize operation;

receiving from the application a call to initialize the application downsize operation; and

receiving from the application a call to finalize the
15 application downsize operation.

36. The method of claim 35, wherein said call to set a property is SetProperty.

20 37. The method of claim 36, wherein said call to SetProperty has a parameter identifying application property APP_PROPERTY_GUID as the property being set.

38. The method of claim 37, wherein said call to
25 SetProperty has a further parameter for pointing to a GUID for

identifying the application that is the object of the downsize operation.

39. The method of claim 35, wherein said call to
5 initialize the application downsize operation is
InitializeUnInstall.

40. The method of claim 35, wherein said call to
finalize the application downsize operation is
10 FinalizeUnInstall.

41. The method of claim 35, further comprising if
the application uninstall is not successfully executed by the
application, receiving a call to abort the application downsize
15 operation.

42. A computer readable medium having instructions
thereon for performing the steps recited in claim 35.

20 43. In a system for managing application
installation operations, a method of communicating with an
application, comprising:

receiving from the application a call to set a
property related to performing an application reinstall
25 operation;

receiving from the application a call to initialize the application reinstall operation; and

receiving from the application a call to finalize the application reinstall operation.

5

44. The method of claim 43, wherein said call to set a property is SetProperty.

45. The method of claim 44, wherein said call to
10 SetProperty has a parameter identifying APP_PROPERTY_GUID as the application property that is being set.

46. The method of claim 45, wherein said call to
SetProperty has a further parameter for pointing to a GUID for
15 identifying the application that is the object of the reinstall operation.

47. The method of claim 45 further comprising
receiving a call to SetProperty having a parameter identifying
20 APP_PROPERTY_ESTIMATEDINSTALLSIZE as the application property that is being set.

48. The method of claim 43, wherein said call to
initialize the application reinstall operation is
25 InitializeReInstall.

49. The method of claim 43, wherein said call to finalize the application reinstall operation is FinalizeReInstall.

5

50. The method of claim 43, further comprising if the application reinstall is not successfully executed by the application, receiving a call to abort the application reinstall operation.

10

51. A computer readable medium having instructions thereon for performing the steps recited in claim 43.

52. A system for managing application installation operations, comprising:

a computing device operable to read programmed instructions; and

programmed instructions for performing a method of communicating with an application, comprising:

receiving from the application a call to set a property related to performing an application installation operation;

receiving from the application a call to initialize an application installation operation; and

receiving from the application a call to finalize the

154792.1/MSFT-0245

PATENT

application installation operation.

154792.1/MSFT-0245